

# SEQUENCE LISTING

<110> SHANGHAI INSTITUTE OF BIOCHEMISTRY, CHINESE ACADEMY OF SCIENCES

<120> A NOVEL NATURAL ANTIBACTERIAL PEPTIDE, THE NUCLEOTIDE SEQUENCE ENCODING IT AND THE USE THEREOF

<130> 010207 PCWO

<150> CN 01105283.X

<151> 2001-01-22

<160> 10

<170> PatentIn version 3.0

<210> 1

<211> 385

<212> DNA

<213> Homo sapiens

<400> 1

ggacacccag tcacagtcac catctgcttt cctgcacaga gagagcgcca taaaacatga	60
aggttttgtt actcttttgc tttttcttct gcttgggtcca aagaaactca ggggacatac	120
cacctggaat cagaacaccc gtgtgcttca tgcagcgggg ccactgtagg ctcttcatgt	180
gccgttcttg ggagagaaag ggggatattt gctctgaccc ctggaacaga tgctgcgtat	240
ccagttccat taaaacaga tgatagaaga ctcatggaa gatctgagat gtggggtgca	300
agctcttga agctagagac ctggaagcac ccaaaggct ttgagtatgt gtggctaata	360
gtgcgtgctc aataaacact tgctg	385

<210> 2

<211> 68

<212> PRT

<213> Homo sapiens

<400> 2

Met Lys Val Leu Leu Leu Phe Ala Val Phe Phe Cys Leu Val Gln Arg	1 5 10 15
Asn Ser Gly Asp Ile Pro Pro Gly Ile Arg Asn Thr Val Cys Phe Met	20 25 30
Gln Arg Gly His Cys Arg Leu Phe Met Cys Arg Ser Gly Glu Arg Lys	35 40 45
Gly Asp Ile Cys Ser Asp Pro Trp Asn Arg Cys Cys Val Ser Ser Ser	50 55 60
Ile Lys Asn Arg	65

<210> 3  
 <211> 45  
 <212> PRT  
 <213> Homo sapiens

<400> 3

Gly Ile Arg Asn Thr Val Cys Phe Met Gln Arg Gly His Cys Arg Leu  
 1 5 10 15

Phe Met Cys Arg Ser Gly Glu Arg Lys Gly Asp Ile Cys Ser Asp Pro  
 20 25 30

Trp Asn Arg Cys Cys Val Ser Ser Ser Ile Lys Asn Arg  
 35 40 45

<210> 4  
 <211> 1696  
 <212> DNA  
 <213> Homo sapiens

<400> 4

ggacacccag tcatcagtca catctgcttt cctgcacaga gagagcgcca taaaacatga 60  
 aggttttgtt actctttgct gttttcttct gcttggtcca aagaaactca ggtaaatgtc 120  
 ttctgagtag ccctggagaa ggcaggatgc ccttttaggt ttgtagacca cattgaggtg 180  
 tgtccaggta tcaacattgg gcacagatgg tgggccactc tggggctcag gtcggacca 240  
 ctttcctaac gaagaggttt tattttgatt ttttttgtt tgttcatttg tcaagagttg 300  
 caaattttac agcacggaga cacagaggcc tatattctcc attgtgaata agaaggtctg 360  
 attgtaactt gagagtttat tcaggacaga attacagccg tacctgtgtc aaaagtgtaa 420  
 ttttactgcc tcgctgtgag cagagaaggt gttcacattt atgcccttc cctaccatt 480  
 acatccacag aacaccagat gtatgcttta aatgaatttt caaatgagag aaaaataggt 540  
 tcctttaaga aagctagagt ccaggtcctg aagccttgaa ttgctggcag ttctgtcaag 600  
 gtggactaca cccacatctc catgaacctt cccaaccatg gtaaaccgga tgaacacagt 660  
 atcacaaatc agtccccagc tgaagtcagg ctattgcagg agaccagttt cctaaatgtt 720  
 acaggcatag gttgggccgc tgttgctttt taacacaggg tgtgcaacat tgttaaaaag 780  
 gtttttttta accatctctt tcccatggtg ctttcttttg ggggactcta gttgttttg 840  
 ttttgtttta ttgttttact tagaaggaca cacaagacac attgttatct ttcttcttct 900  
 tattgtagtc ataagagtga aaaccaacc atgagctgag acagaccgc tcctaacttt 960  
 tctatggcct gagaccagc tctgttatt ctgttctgtt ttctttttct ttttaattt 1020  
 atttatttta tgtatgtgag tacagtgtca ctgtcttcag acacaccaga agagggtgtc 1080

```

agatccatt acagatggtt gtgagccacc atgtggttgc tgggaattga actcgggacc 1140
tctggaagag cagtcagtgc tcttaaccgc tgagccatct ttccagcccc tgttctgttt 1200
tcttaatac cactcccca ctccacaatg tacctctatc tctgggcagc tgcagagccc 1260
tggcctgcaa tgggctaggt gacttcacac tcagtctgtc atgcatccc cgaaacacca 1320
cgagatataa atggttgcta ttgaaagcta aggaggaaaa tctcagtgc gccgaaactc 1380
tggaagagtg gagcagattc ttcgagagg gctgggggct gggggctggg ggctggagcc 1440
actgttttat ctcagtctgt tgtttccaca ggggacatac cacctggaat cagaaacacc 1500
gtgtgcttca tgcagcgggg ccactgtagg ctcttcatgt gccgttcttg ggagagaaag 1560
ggggatattt gctctgacct ctggaacaga tgctgcgtat ccagttccat taaaaacaga 1620
tgatagaaga ctatttgaa gatctgagat gtggggtgca agctcttga agctagagac 1680
ctggaagcac ccaaaa 1696

```

```

<210> 5
<211> 21
<212> DNA
<213> Artificial sequence

```

```

<220>
<221> misc_feature
<223> primer

```

```

<400> 5
aatggtaccg tgacgtggtc c 21

```

```

<210> 6
<211> 21
<212> DNA
<213> Artificial sequence

```

```

<220>
<221> misc_feature
<223> primer

```

```

<400> 6
tggccccgct gcatgaagca c 21

```

```

<210> 7
<211> 20
<212> DNA
<213> Artificial sequence

```

```

<220>

```

<221> misc\_feature  
<223> primer

<400> 7  
ggacaccag tcacagtc

20

<210> 8  
<211> 20  
<212> DNA  
<213> Artificial sequence

<220>  
<221> misc\_feature  
<223> primer

<400> 8  
cagcaaggtg ttattgagca

20

<210> 9  
<211> 23  
<212> DNA  
<213> Artificial sequence

<220>  
<221> misc\_feature  
<223> primer

<400> 9  
ggacaccag tcacagtc cat

23

<210> 10  
<211> 22  
<212> DNA  
<213> Artificial sequence

<220>  
<221> misc\_feature  
<223> primer

<400> 10  
tttgggtgc ttccaggtct ct

22